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**POWER OF ATTORNEY OR  
AUTHORIZATION OF AGENT**

Application Number	
Filing Date	
First Named Inventor	Jiten Chatterji
Title	Methods and Cement ...
Art Unit	
Examiner Name	
Attorney Docket Number	HES 2002-IP-008501U1D1

I hereby appoint:

☐ Practitioners at Customer NumberPlace Customer  
Number Bar Code  
Label here

OR

☒ Practitioner(s) named below:

Name	Registration Number
see attached	

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

☐ Practitioners at Customer Number.Place Customer  
Number Bar Code  
Label here

OR

<input type="checkbox"/> Firm or Individual Name					
Address					
Address					
City		State		Zip	
Country					
Telephone		Fax			

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).**SIGNATURE of Applicant or Assignee of Record**

Name	Craig W. Roddy		
Signature			
Date		Telephone	580-251-3012

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☐ \*Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

<b>DECLARATION</b>		<b>REGISTERED PRACTITIONER INFORMATION (Supplemental Sheet)</b>	
<b>Name</b>	<b>Registration Number</b>	<b>Name</b>	<b>Registration Number</b>
Halliburton Energy Services, Inc. Practitioners		McAfee & Taft Practitioners	
William E. Shull	29,438	C. Clark Dougherty, Jr.	24,208
Michael D. McCully	29,566	Clifford C. Dougherty, III	31,607
Mark A. Smith	30,220	E. Harrison Gilbert, III	29,156
William M. Imwalle	35,904	Neal R. Kennedy	31,383
Paul I. Herman	37,349	Michael J. LaBrie	39,507
Robert A. Kent	28,626	Anthony L. Rahhal	37,562
Craig W. Roddy	36,256	Jean L. Pinkston	45,014
John W. Wustenberg	35,415	William D. Hall	35,535
Scott F. Wendorf	48,029		

**Duration Hour Statement:** This form is estimated to take 6.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☒ Declaration Submitted with Initial Filing      OR      ☐ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

**Attorney Docket Number** HES 2001-IP-008501U1**First Named Inventor** Jiten Chatterji**COMPLETE IF KNOWN****Application Number****Filing Date****Art Unit****Examiner Name****As the below named inventor, I hereby declare that:**

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Methods and Cement Compositions For Cementing In Subterranean Zones

(Title of the Invention)

the specification of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

Application Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION — Utility or Design Patent Application**Direct all correspondence to: ☒ Customer Number  OR ☐ Correspondence address below

Name

Address

City

State

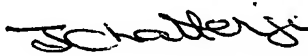
ZIP

Country

Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR : ☐ A petition has been filed for this unsigned inventorGiven Name Jiten  
(first and middle [if any])Family Name Chatterji  
or SurnameInventor's  
Signature

Date 11/18/02

Duncan

OK

U.S.

U.S.

Residence: City

State

Country

Citizenship

Mailing Address 2213 Scott Lane

Duncan

OK

73533

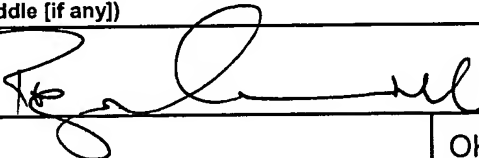
U.S.

City

State

ZIP

Country

NAME OF SECOND INVENTOR: ☐ A petition has been filed for this unsigned inventorGiven Name Roger S.  
(first and middle [if any])Family Name Cromwell  
or SurnameInventor's  
Signature

Date 11/18/02

Walters

OK

U.S.

U.S.

Residence: City

State

Country

Citizenship

Mailing Address 128 Esat Nevada

Walters  
City

OK

73572

U.S.

State

ZIP

Country

☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

**DECLARATION****ADDITIONAL INVENTOR(S)**  
**Supplemental Sheet**  
Page 1 of 1

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name <b>Darrell C.</b>		Family Name or Surname <b>Brenneis</b>	
Inventor's Signature <i>Darrell C. Brenneis</i>		Date <i>11-18-02</i>	
Marlow Residence: City	OK State	U.S. Country	U.S. Citizenship
Route 2, Box 195 Mailing Address			
Mailing Address			
City <b>Marlow</b>	OK State	73055 ZIP	U.S. Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name <b>Bobby J.</b>		Family Name or Surname <b>King</b>	
Inventor's Signature <i>Bobby J. King</i>		Date <i>11-18-2002</i>	
Duncan Residence: City	OK State	U.S. Country	U.S. Citizenship
Route 1, Box 16V Mailing Address			
Mailing Address			
City <b>Duncan</b>	OK State	73533 ZIP	U.S. Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	ZIP	Country

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Jiten Chatterji et al.Application No./Patent No.: unknown Filed/Issue Date: concurrently herewithEntitled: Methods and Cement Compositions For Cementing In Subterranean ZonesHalliburton Energy Services, Inc., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or2. ☐ an assignee of less than the entire right, title and interest.The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 13518, Frame 855, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.☐ Additional documents in the chain of title are listed on a supplemental sheet.☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

7/30/2003

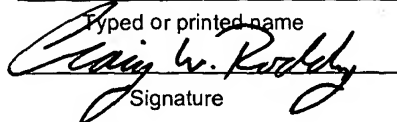
Date

580-251-3012

Telephone number

Craig W. Roddy

Typed or printed name



Signature

Senior Counsel

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



MARCH 28, 2003

HALLIBURTON ENERGY SERVICES  
CARIG W. RODDY  
2600 SOUTH SECOND STREET  
DUNCAN, OK 73536-0440

PTAS

RECEIVED

APR 07 2003

CHAIRMAN

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov



\*102295596A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/18/2002

REEL/FRAME: 013518/0855  
NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
CHATTERJI, JITEN

DOC DATE: 11/18/2002

ASSIGNOR:  
CROMWELL, ROGER S.

DOC DATE: 11/18/2002

ASSIGNOR:  
BRENNEIS, DARRELL C.

DOC DATE: 11/18/2002

ASSIGNOR:  
KING, BOBBY J.

DOC DATE: 11/18/2002

ASSIGNEE:  
HALLIBURTON ENERGY SERVICES, INC.  
10200 BELLAIRE BOULEVARD  
HOUSTON, TEXAS 77072

SERIAL NUMBER: 10299294  
PATENT NUMBER:

FILING DATE: 11/19/2002  
ISSUE DATE:

013518/0855 PAGE 2

SHARON BROOKS, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



11-27-2002

Form PTO  
(Rev. 10/02)  
OMB No. 1



102295596

Tab settings

**FORM COVER SHEET  
ENTRIES ONLY**

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

**1. Name of conveying party(ies):**

Jiten Chatterji  
Roger S. Cromwell  
Darrell C. Brenneis  
Bobby J. King

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of conveyance:**

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: 11/18/2002

**2. Name and address of receiving party(ies)**

Name: Halliburton Energy Services, Inc.

Internal Address: \_\_\_\_\_

Street Address: 10200 Bellaire Boulevard

City: Houston State: TX Zip: 77072

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application number(s) or patent number(s):**

If this document is being filed together with a new application, the execution date of the application is: 11/18/2002

A. Patent Application No.(s) \_\_\_\_\_

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☐ No

**5. Name and address of party to whom correspondence concerning document should be mailed:**

Name: Craig W. Roddy

Internal Address: Halliburton Energy Services

Street Address: 2600 South Second Street

City: Duncan State: OK Zip: 73536-0440

**6. Total number of applications and patents involved: 1**

7. Total fee (37 CFR 3.41).....\$ 40.00

- ☐ Enclosed  
☒ Authorized to be charged to deposit account

**8. Deposit account number:**

08-0300

**DO NOT USE THIS SPACE**

**9. Signature.**

Craig W. Roddy

Name of Person Signing

*Craig W. Roddy*  
Signature

11-18-2002  
Date

Total number of pages including cover sheet, attachments, and documents: 4

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

11/26/2002 6T0H11 00000205 080300 10299294

01 FC:8021

40.00 CH

3C714 U.S. PTO  
11/19/02



**ASSIGNMENT**

Whereas, I/We, Jiten Chatterji, of Stephens County, Duncan, Oklahoma; Roger S. Cromwell, of Cotton County, Walters, Oklahoma; Darrell C. Brenneis, of Stephens County, Marlow, Oklahoma, and Bobby J. King, of Stephens County, Duncan, Oklahoma, and have invented METHODS AND CEMENT COMPOSITIONS FOR CEMENTING SUBTERRANEAN ZONES for which I have made application for Letters Patent of the United States; and

Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 10200 Bellaire Boulevard, Houston, Texas 77072 is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, by these presents do sell, assign and transfer and convey unto HALLIBURTON ENERGY SERVICES, INC., its successors and assigns, the full and exclusive right, for the United States of America and its territorial possessions and for any and all foreign countries, in and to the said invention, described in the Patent Application first executed on

November 18, 2002, submitted concurrently herewith, and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefor; said invention, application and any and all Letters Patent issuing therefor to be held and enjoyed by HALLIBURTON ENERGY SERVICES, INC., for its own use and behoof, and for its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me and had this assignment and sale not been made.

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

And I do further agree to communicate to HALLIBURTON ENERGY SERVICES, INC., its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

Executed this 18<sup>th</sup> day of November, 2002, at Duncan, Stephens County, Oklahoma U.S.A.

Jiten Chatterji

Jiten Chatterji

State of Oklahoma     )  
                                  ) ss  
County of Stephens     )

Before me personally appeared said Jiten Chatterji and acknowledged the foregoing instrument to be his free act and deed this 18th day of November, 2002.

Seal

Sheila Gibbs

(Notary Public)

My Commission Expires: September 13, 2004  
Commission Number: 00014119

Executed this 18th day of November, 2002, at Duncan, Stephens County, Oklahoma U.S.A.

Roger S. Cromwell  
Roger S. Cromwell

State of Oklahoma     )  
                                  ) ss  
County of Stephens     )

Before me personally appeared said Roger S. Cromwell and acknowledged the foregoing instrument to be his free act and deed this 18th day of November, 2002.

Seal

Sheila Gibbs

(Notary Public)

My Commission Expires: September 13, 2004  
Commission Number: 00014119

Executed this 18th day of November, 2002, at Duncan, Stephens County, Oklahoma U.S.A.

Darrell C Brenneis  
Darrell C. Brenneis

State of Oklahoma     )  
                                  ) ss  
County of Stephens    )

Before me personally appeared said Darrell C. Brenneis and acknowledged the foregoing instrument to be his free act and deed this 18th day of November, 2002.

Seal

Sheila Gibbs  
(Notary Public)

My Commission Expires: September 13, 2004  
Commission Number: 00014119

Executed this 18th day of November, 2002, at Duncan, Stephens County, Oklahoma U.S.A.

Bobby J. King  
Bobby J. King

State of Oklahoma     )  
                                  ) ss  
County of Stephens    )

Before me personally appeared said Bobby J. King and acknowledged the foregoing instrument to be his free act and deed this 18th day of November, 2002.

Seal

Sheila Gibbs  
(Notary Public)

My Commission Expires: September 13, 2004  
Commission Number: 00014119

**ASSIGNMENT**

Whereas, I/We, Jiten Chatterji, of Stephens County, Duncan, Oklahoma; Roger S. Cromwell, of Cotton County, Walters, Oklahoma; Darrell C. Brenneis, of Stephens County, Marlow, Oklahoma, and Bobby J. King, of Stephens County, Duncan, Oklahoma, and have invented METHODS AND CEMENT COMPOSITIONS FOR CEMENTING SUBTERRANEAN ZONES for which I have made application for Letters Patent of the United States; and

Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 10200 Bellaire Boulevard, Houston, Texas 77072 is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, by these presents do sell, assign and transfer and convey unto HALLIBURTON ENERGY SERVICES, INC., its successors and assigns, the full and exclusive right, for the United States of America and its territorial possessions and for any and all foreign countries, in and to the said invention, described in the Patent Application first executed on

November 18, 2002, submitted concurrently herewith, and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefor; said invention, application and any and all Letters Patent issuing therefor to be held and enjoyed by HALLIBURTON ENERGY SERVICES, INC., for its own use and behoof, and for its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me and had this assignment and sale not been made.

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

And I do further agree to communicate to HALLIBURTON ENERGY SERVICES, INC., its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

Executed this 18<sup>th</sup> day of November, 2002, at Duncan, Stephens County, Oklahoma U.S.A.

Jiten Chatterji

Jiten Chatterji

State of Oklahoma     )  
                                  ) ss  
County of Stephens    )

Before me personally appeared said Jiten Chatterji and acknowledged the foregoing instrument to be his free act and deed this 18th day of November, 2002.

Seal

Sheila Gibbs

(Notary Public)

My Commission Expires: September 13, 2004  
Commission Number: 00014119

Executed this 18th day of November, 2002, at ~~Duncan~~, Stephens County, Oklahoma U.S.A.

Roger S. Cromwell

Roger S. Cromwell

State of Oklahoma     )  
                                  ) ss  
County of Stephens    )

Before me personally appeared said Roger S. Cromnwell and acknowledged the foregoing instrument to be his free act and deed this 18th day of November, 2002.

Seal

Sheila Gibbs

(Notary Public)

My Commission Expires: September 13, 2004  
Commission Number: 00014119

Executed this 18th day of November, 2002, at Duncan, Stephens County, Oklahoma U.S.A.

Darrell C Brenneis  
Darrell C. Brenneis

State of Oklahoma     )  
                              ) ss  
County of Stephens    )

Before me personally appeared said Darrell C. Brenneis and acknowledged the foregoing instrument to be his free act and deed this 18th day of November, 2002.

Seal

Sheila Gibbs  
(Notary Public)

My Commission Expires: September 13, 2004  
Commission Number: 00014119

Executed this 18th day of November, 2002, at Duncan, Stephens County, Oklahoma U.S.A.

Bobby J. King  
Bobby J. King

State of Oklahoma     )  
                              ) ss  
County of Stephens    )

Before me personally appeared said Bobby J. King and acknowledged the foregoing instrument to be his free act and deed this 18th day of November, 2002.

Seal

Sheila Gibbs  
(Notary Public)

My Commission Expires: September 13, 2004  
Commission Number: 00014119



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

*Duplicate*

MARCH 28, 2003

HALLIBURTON ENERGY SERVICES  
CARIG W. RODDY  
2600 SOUTH SECOND STREET  
DUNCAN, OK 73536-0440

PTAS

RECEIVED

APR 07 2003

CHATT W. RODDY

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov



\*102295596A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 11/18/2002

REEL/FRAME: 013518/0855  
NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CHATTERJI, JITEN

DOC DATE: 11/18/2002

ASSIGNOR:

CROMWELL, ROGER S.

DOC DATE: 11/18/2002

ASSIGNOR:

BRENNEIS, DARRELL C.

DOC DATE: 11/18/2002

ASSIGNOR:

KING, BOBBY J.

DOC DATE: 11/18/2002

ASSIGNEE:

HALLIBURTON ENERGY SERVICES, INC.  
10200 BELLAIRE BOULEVARD  
HOUSTON, TEXAS 77072

SERIAL NUMBER: 10299294

FILING DATE: 11/19/2002

PATENT NUMBER:

ISSUE DATE:



013518/0855 PAGE 2

SHARON BROOKS, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

11-27-2002

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ENTRIES ONLYU.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Jiten Chatterji  
Roger S. Cromwell  
Darrell C. Brenneis  
Bobby J. KingAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 2. Name and address of receiving party(ies)

Name: Halliburton Energy Services, Inc.

Internal Address: \_\_\_\_\_

Street Address: 10200 Bellaire Boulevard

City: Houston State: TX Zip: 77072

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: 11/18/2002

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 11/18/2002

A. Patent Application No.(s) \_\_\_\_\_

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☐ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Craig W. Roddy  
Internal Address: Halliburton Energy Services

Street Address: 2600 South Second Street

City: Duncan State: OK Zip: 73536-0440

## 6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

- ☐ Enclosed  
☒ Authorized to be charged to deposit account

## 8. Deposit account number:

08-0300

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## 9. Signature.

Craig W. Roddy

Name of Person Signing

Signature

11-18-2002

Date

Total number of pages including cover sheet, attachments, and documents: 4

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

11/26/2002 GTON11 00000205 080300 10299294

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JC714 U.S. PTO  
10/29/02

11/19/02

**ASSIGNMENT**

Whereas, I/We, Jiten Chatterji, of Stephens County, Duncan, Oklahoma; Roger S. Cromwell, of Cotton County, Walters, Oklahoma; Darrell C. Brenneis, of Stephens County, Marlow, Oklahoma, and Bobby J. King, of Stephens County, Duncan, Oklahoma, and have invented METHODS AND CEMENT COMPOSITIONS FOR CEMENTING SUBTERRANEAN ZONES for which I have made application for Letters Patent of the United States; and

Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 10200 Bellaire Boulevard, Houston, Texas 77072 is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, by these presents do sell, assign and transfer and convey unto HALLIBURTON ENERGY SERVICES, INC., its successors and assigns, the full and exclusive right, for the United States of America and its territorial possessions and for any and all foreign countries, in and to the said invention, described in the Patent Application first executed on

November 18, 2002, submitted concurrently herewith, and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefor; said invention, application and any and all Letters Patent issuing therefor to be held and enjoyed by HALLIBURTON ENERGY SERVICES, INC., for its own use and behoof, and for its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me and had this assignment and sale not been made.

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

And I do further agree to communicate to HALLIBURTON ENERGY SERVICES, INC., its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

Executed this 18<sup>th</sup> day of November, 2002, at Duncan, Stephens County, Oklahoma U.S.A.

Jiten Chatterji

Jiten Chatterji

State of Oklahoma     )  
                                  ) ss  
County of Stephens    )

Before me personally appeared said Jiten Chatterji and acknowledged the foregoing instrument to be his free act and deed this 18th day of November, 2002.

Seal

Sheila Gibbs

(Notary Public)

My Commission Expires: September 13, 2004

Commission Number: 00014119

Executed this 18th day of November, 2002, at Duncan, Stephens County, Oklahoma U.S.A.

Roger S. Cromwell

Roger S. Cromwell

State of Oklahoma     )  
                                  ) ss  
County of Stephens    )

Before me personally appeared said Roger S. Cromwell and acknowledged the foregoing instrument to be his free act and deed this 18th day of November, 2002.

Seal

Sheila Gibbs

(Notary Public)

My Commission Expires: September 13, 2004

Commission Number: 00014119

Executed this 18th day of November, 2002, at Duncan, Stephens County, Oklahoma U.S.A.

Darrell C Brenneis

Darrell C. Brenneis

State of Oklahoma     )  
                                  ) ss  
County of Stephens    )

Before me personally appeared said Darrell C. Brenneis and acknowledged the foregoing instrument to be his free act and deed this 18th day of November, 2002.

Seal

Sheila Gibbs

(Notary Public)

My Commission Expires: September 13, 2004  
Commission Number: 00014119

Executed this 18th day of November, 2002, at Duncan, Stephens County, Oklahoma U.S.A.

Bobby J. King

Bobby J. King

State of Oklahoma     )  
                                  ) ss  
County of Stephens    )

Before me personally appeared said Bobby J. King and acknowledged the foregoing instrument to be his free act and deed this 18th day of November, 2002.

Seal

Sheila Gibbs

(Notary Public)

My Commission Expires: September 13, 2004  
Commission Number: 00014119

**ASSIGNMENT**

Whereas, I/We, Jiten Chatterji, of Stephens County, Duncan, Oklahoma; Roger S. Cromwell, of Cotton County, Walters, Oklahoma; Darrell C. Brenneis, of Stephens County, Marlow, Oklahoma, and Bobby J. King, of Stephens County, Duncan, Oklahoma, and have invented METHODS AND CEMENT COMPOSITIONS FOR CEMENTING SUBTERRANEAN ZONES for which I have made application for Letters Patent of the United States; and

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November 18, 2002, submitted concurrently herewith, and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefor; said invention, application and any and all Letters Patent issuing therefor to be held and enjoyed by HALLIBURTON ENERGY SERVICES, INC., for its own use and behoof, and for its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me and had this assignment and sale not been made.

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

And I do further agree to communicate to HALLIBURTON ENERGY SERVICES, INC., its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

Executed this 18<sup>th</sup> day of November, 2002, at Duncan, Stephens County, Oklahoma U.S.A.




Jiten Chatterji

State of Oklahoma     )  
                                  ) ss  
County of Stephens    )

Before me personally appeared said Jiten Chatterji and acknowledged the foregoing instrument to be his free act and deed this 18th day of November, 2002.

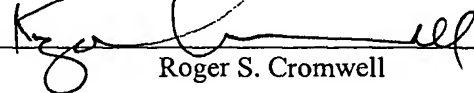
Seal



(Notary Public)

My Commission Expires: September 13, 2004  
Commission Number: 00014119

Executed this 18th day of November, 2002, at Duncan, Stephens County, Oklahoma U.S.A.



Roger S. Cromwell

State of Oklahoma     )  
                                  ) ss  
County of Stephens    )

Before me personally appeared said Roger S. Cromwell and acknowledged the foregoing instrument to be his free act and deed this 18th day of November, 2002.

Seal



(Notary Public)

My Commission Expires: September 13, 2004  
Commission Number: 00014119

Executed this 18th day of November, 2002, at Duncan, Stephens County, Oklahoma U.S.A.

Darrell C Brenneis  
Darrell C. Brenneis

State of Oklahoma     )  
                                  ) ss  
County of Stephens    )

Before me personally appeared said Darrell C. Brenneis and acknowledged the foregoing instrument to be his free act and deed this 18th day of November, 2002.

Seal

Sheila Gibbs  
(Notary Public)

My Commission Expires: September 13, 2004  
Commission Number: 00014119

Executed this 18th day of November, 2002, at Duncan, Stephens County, Oklahoma U.S.A.

Bobby J. King  
Bobby J. King

State of Oklahoma     )  
                                  ) ss  
County of Stephens    )

Before me personally appeared said Bobby J. King and acknowledged the foregoing instrument to be his free act and deed this 18th day of November, 2002.

Seal

Sheila Gibbs  
(Notary Public)

My Commission Expires: September 13, 2004  
Commission Number: 00014119